

**AMENDMENT**

IN THE TITLE:

Please amend the title of the invention by including "AND SECURITY" as follows (a substitute page 1 of the application, showing the amended title, is enclosed):

Method and Apparatus for Verifying the Integrity and Security of Computer Networks and Implementation of Counter Measures

IN THE CLAIMS:

Please amend claims 1, 5, 8, 11, 13, 17, 21 and 22 as follows:

1. (Amended) A security system for a computer connected to a network of computers comprising:

at least one security subsystem associated with said computer, said subsystem being configured to monitor events across said network of computers in its entirety and to detect attacks on said computer;

and a secure link between said security subsystem and a master system enabling data communication therebetween; wherein

said master system monitors said security subsystem through said secure link and registers information pertaining to attacks detected by said security subsystem.

5. (Amended) A network security system for a target network of computers comprising:

at least one security subsystem associated with said target network, said subsystem being configured to monitor events across said network of computers in its entirety and to detect attacks on said network; and

B2 a secure link between said security subsystem and a master system enabling data communication therebetween; wherein

said master system monitors said security subsystem through said secure link and registers information pertaining to the attacks detected by said security subsystem.

8. (Amended) A network security system for a target network of computers comprising:  
at least one security subsystem associated with said target network and configured to monitor events across said target network in its entirety and to detect and register attacks on said target network;

B3 a secure link for data communication between said security subsystem and said master system; and

testing means associated with said master system for generating pseudo-attacks on said target network initiated by said master system and detectable by said security subsystem;  
wherein

said master system monitors said security subsystem through said secure link by comparing the pseudo-attacks generated by said testing means to the detected attacks registered by said security subsystem.

B4 11 (Amended) A method for monitoring the integrity of a security subsystem associated with a target network of computers and configured to detect attacks on said network of computers comprising:

monitoring events across said target network in its entirety using said security subsystem;

~~B4~~  
establishing a secure link for the transfer of data between said security subsystem and a master system hierarchically independent from said security subsystem;  
monitoring the status of said security subsystem through said secure link; and  
registering information pertaining to the status of said security subsystem.

---

~~B5~~  
13. (Amended) A security system for a computer connected to a computer network comprising:

at least one detection means associated with said computer, said detection means being configured to monitor events across said computer network in its entirety and to detect an attack on said computer;

a master security system located outside said computer network; and

a secure link between said detection means and said master security system enabling data communication therebetween; wherein

said master security system monitors said detection means through said secure link and registers information pertaining to attacks detected by said detection means.

---

~~B6~~  
17. (Amended) A network security system for a target network of computers comprising:

at least one detection means associated with said target network, said detection means being configured to monitor events across said computer network in its entirety and to detect an attack on said network;

a master security system located outside said network; and

a secure link between said detection means and said master security system enabling data communication therebetween; wherein

~~34~~ said master security system monitors said detection means through said secure link and registers information pertaining to attacks detected by said detection means.

---

21. (Amended) A method for monitoring the integrity of a detection means associated with a computer, said computer being connected to a computer network, and configured to detect an attack on said computer, said method comprising the steps of:

~~37~~ monitoring events across said target network in its entirety using said detection means;  
establishing a secure link for the transfer of data between said detection means and a master system hierarchically independent from said detection means;  
monitoring the status of said detection means through said secure link; and  
registering information pertaining to the status of said detection means.

22. (Amended) A method for monitoring the integrity of a detection means associated with a target network of computers and configured to detect an attack on said network of computers comprising the steps of:

monitoring events across said target network in its entirety using said detection means;  
establishing a secure link for the transfer of data between said detection means and a master system hierarchically independent from said detection means;  
monitoring the status of said detection means through said secure link; and  
registering information pertaining to the status of said detection means.

---